

ALLAMA IQBAL OPEN UNIVERSITY

LEVEL	POST GRADUATE	SEMESTER	SPRING 2022
COURSE CODE	TEACHING OF PHYSICS (6516)	MAXIMUM MARKS	100
TIME ALLOWED	03 HOURS	PASS MARKS	50

NOTE ATTEMPT ANY FIVE QUESTION

Q.NO	QUESTION	MARKS
Q.NO.1	a. Is it necessary to understand the nature of physic. Debate. b. According to Houston what are the aims of teaching physics at secondary school level. Is the current curriculum of secondary school physics fulfills Houston aims?	10+10
Q.NO.2	Compare inquiry method and demonstration method. Which method is best for teaching physics? And why?	7+7+6
Q.NO.3	Why is important to sequence lab activities? Enlist the principles and strategies for sequencing lab activities. Explain the objectives of physics laboratory?	7+6+7
Q.NO.4	Narrate the types of tests? Describe the types of objective type tests. Recall and write general principles for constructing objective type test items.	5+5+10
Q.NO.5	What are instructional aids? Why is it important to select appropriate aids for effective teaching? What types of aids may be used to strengthen the concepts of physics?	20
Q.NO.6	Differentiate between projected and non-projected aids. How radio and television can help us for teaching physics?	10+10
Q.NO.7	Describe the types of waves. Explain velocity , frequency and wavelength of a wave. Also narrate relationship between velocity, frequency and wavelength of a wave.	20
Q.NO.8	(a) Derive Einstein's Mass-Energy equation. Also describe its application. (b) Explain the process of nuclear fission. Also write its benefits and drawbacks.	10+10